

IDMD-24-S-12.00-G

(2,54mm) .100"

IDSS, IDSD, IDMS, IDMD SERIES

SLIM BODY FLAT RIBBON IDC CABLES

SPECIFICATIONS

IDSS, IDSD

For complete specifications see www.samtec.com?IDSS or www.samtec.com?IDSD

Insulator Material:

Black Glass Filled Polyester



Plating:

Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) Ni

Wire:

28 AWG 7/36 stranded Tinned Copper

Temperature Range:

-20°C to +105°C (Rainbow Cable)
-40°C to +105°C (Gray Cable)

Contact:

BeCu

Current Rating:

1A

Contact Resistance:

15 mΩ max delta from initial

Lead Size Range:

(0,56mm) .022" SQ to (0,71mm) .028" SQ

Lead Insertion Depth:

(5,59mm) .220" to (6,22mm) .245"

Insertion Force:

(Single contact only)

4oz avg.

((0,64mm) .025" SQ probe)

Withdrawal Force:

(Single contact only)

3oz avg.

((0,64mm) .025" SQ probe)

RoHS Compliant: Yes

SPECIFICATIONS

IDMS, IDMD

For complete specifications see www.samtec.com?IDMS or www.samtec.com?IDMD

Insulator Material:

Black Glass Filled Polyester



Plating:

Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) Ni

Wire:

28 AWG 7/36 stranded Tinned Copper

Temperature Range:

-20°C to +105°C (Rainbow Cable)
-40°C to +105°C (Gray Cable)

Terminal:

Phosphor Bronze

Current Rating:

1A

RoHS Compliant: Yes

Note:

This Series is non-standard, non-returnable.

Mates with:
TSW, MTSW,
TSM, EJH, PHT

IDSD Mates with:
TST, HTST, ZST

TYPE STRIP

ROW OPTION

NO. PINS PER ROW

END ASSEMBLY

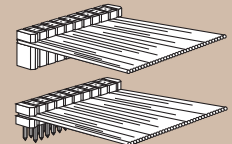
IDM
= Standard Tail Male Plug

IDS
= Socket

S
= Single

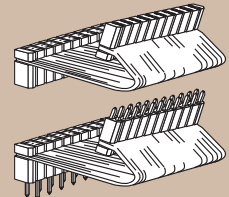
D
= Double
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End



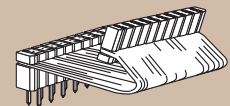
Socket or Male Plug on one end

-D = Double End



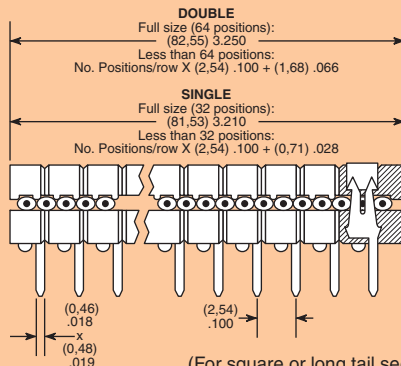
Socket or Male Plug on each end

-T = Transfer End

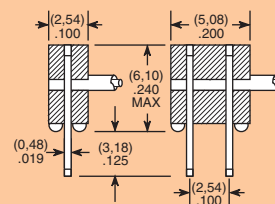


Male Plug on one end with socket on other. Begin part number with IDM.

-02 thru -32

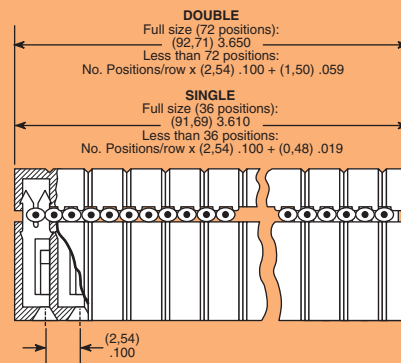


IDMS (Single) **IDMD (Double)**

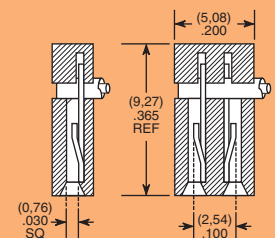


(For square or long tail see HCMX Series)

-02 thru -36



IDSS (Single) **IDSD (Double)**



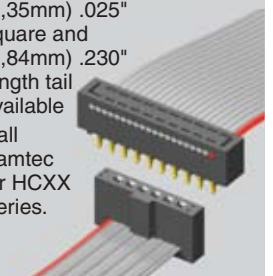
Due to technical progress, all designs, specifications and components are subject to change without notice.

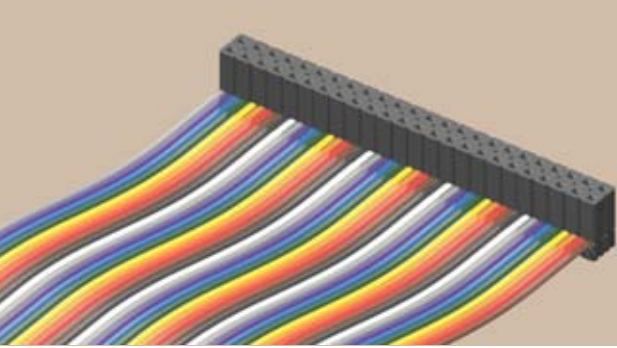
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ALSO AVAILABLE

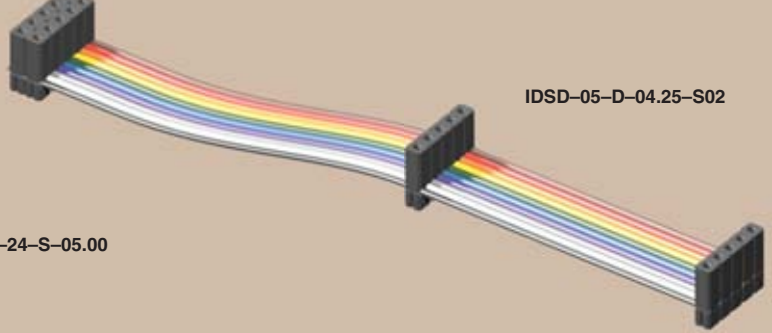
Molded-To-Position IDC Assemblies

- Low Profile
 - Skinny side locks
 - Dual beam contacts
 - Single and double row
 - (6,35mm) .025" square and (5,84mm) .230" length tail available
- Call Samtec for HCXX Series.





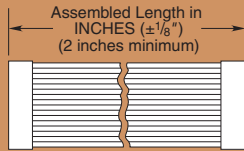
IDSD-24-S-05.00



IDSD-05-D-04.25-S02

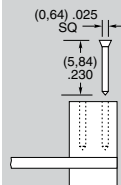
ASSEMBLED LENGTH

— “XX.XX”
= Assembled Length



OPTION

POLARIZING KEY



Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

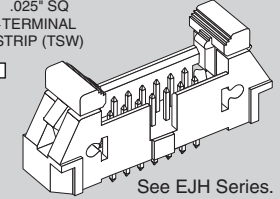
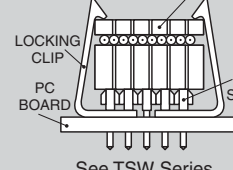
Order: Part Number PK-01-06
(Available in wheels of six each)

EJECTOR HEADERS & LOCKING CLIPS



- Ejector headers
- Locking clips

IDSS or IDSD STRIP ASSEMBLY



—T = Tin Plating (Both ends)

—C = Tin IDM = 10 μ (0,25 μ m) Gold IDS (-T End Assembly Required)

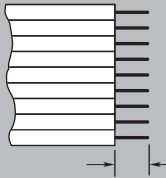
—A = 10 μ (0,25 μ m) Gold IDM = Tin IDS (-T End Assembly Required)

Standard plating is selective gold over BeCu contact for IDS; Selective gold over phosphor bronze for IDM.

1

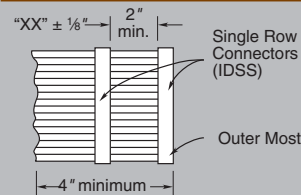
—ST “X”
= Stripped & Tinned

Specify Suffix from table. All dimensions are $\pm 1/16"$. Not available in 28 positions and higher.



4

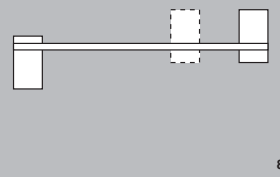
—S “XX”
= Daisy Chain Single



When mating double row connector with two single row connectors, the outer most single will be connected to Conductor #1 and the inside single to Conductor #2.

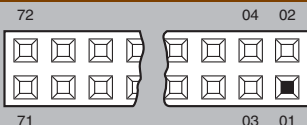
7

—R
= Reversed



8

—P “XX”
= Polarized



Specify “XX” as position. For Double the same position will be polarized on both ends. (Not available on IDM or EDM, unless transfer, then only the socket is polarized.)

2

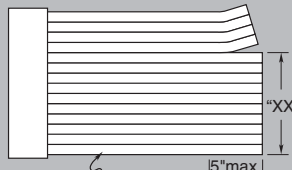
—G
= Gray Cable

Specify —G for Gray cable. Gray cable has one red edge. IDSS and IDMS uses .100" centerline cable. IDSD and IDMD uses .050" centerline cable. Cable is 28 AWG 7/36 copper wire. Standard cable is same as above except color coded.

3

—B “XX”
= Breakout

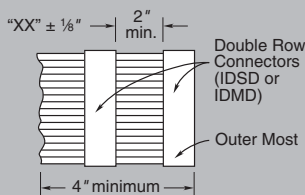
Specify “XX” as number of conductors to be broken out.



Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.

5

—D “XX”
= Daisy Chain, Double



7

—W “XX”
= Wiring Reversed Daisy Chain, Single

Same as —S “XX” except outer strip connected to Conductor #2 and inside strip connected to Conductor #1.

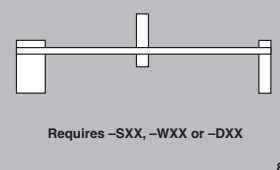
7

—RW
= Reversed Wiring

#1 wire opposite position #1.

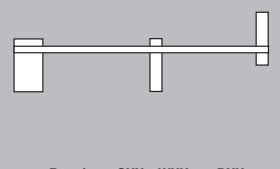
6

—M
= Middle Reversed



8

—O
= Outside Reversed



8

Due to technical progress, all designs, specifications and components are subject to change without notice.

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Samtec:

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